

Table 1 Preliminary Approach to Variability [**For Discussion Purposes Only**]				
	Future Inflow Scenarios			
	Less Inflow Limiting	Current Trends	More inflow limiting	Potential methods to quantify change in inflows
Inflow Factors				
Reliability of Colorado River Supplies	No impact to IID; No impact to CVWD; current surplus flows to Mexico continue	No impact to IID; No impact to CVWD; reduced surplus flows to Mexico	Possible LCR Shortage criteria results in cutbacks to IID and CVWD; no surplus to Mexico	Range of surplus flows to Mexico from 0 to current can be estimated based on historic flows– effects of possible LCR shortage criteria on IID/CVWD not currently quantifiable.
Local Climate Change	Increased precipitation; no impact to agricultural return flows; 1.5° C change in temperature	No change in precipitation; no change in applied water or return flows; 1.5° C change in temperature	Decreased precipitation; increase in applied water, reduced return flows; 3° C change in temperature; more significant increase in evaporation	Estimate changes to inflows based on local climate changes and effects on agriculture predicted by literature, (Hayhoe et al 2004; USGS 2004; and others)
Mexico Water Management	Same as No Action	Increased reuse of New and Alamo river water	Reuse of 100% of Colorado River delivered to Mexico within Mexico - no return flows to New or Alamo rivers	Meeting to be held with Comision Estatal del Agua (CEA), 6/20/05 to discuss future plans in Mexico.
Agricultural Water Use Efficiency	Same as No Action.	Naturally occurring increased efficiency improvements.	Greater increase in efficiency.	Assume increased baseline efficiency based on technology and practice improvements. Percent efficiency increase to be quantified based on discussions with farm community representatives and working group.
TMDL's, BMP	Same as No Action - TMDL's not defined	?	Full implementation of Selenium and nutrient TMDL's - results in reduction of tailwater inflows or treatment of inflows by ??	Projections of reductions in inflows associated with various TMDLs to be based on discussions with farm community representatives, working group and SWRCB staff.
Population Growth	Department of Finance projections	Department of Finance projections	Higher than DOF	Population projections to be based on extrapolation of published projections and discussions with local jurisdictions.

Table 1 Preliminary Approach to Variability (Page 2 of 2)

	Future Inflow Scenarios			
	Less Inflow Limiting	Current Trends	More inflow limiting	Potential methods to quantify change in inflows
Inflow Factors				
Population Density	Existing General Plans	Medium density	Higher density	Project densities based on existing General Plans and discussions with local jurisdictions.
Conversion of Agricultural land uses to urban uses	No additional conversion beyond No Action (defined by existing General Plans)	Conversion of agricultural use to accommodate DOF population projections	Conversion of significant acreage of agricultural uses to urban uses resulting in reduction of inflows	Project amount of required conversion to accommodate population growth; estimate change in inflows.
Crop mix/Crop unit water use	No change from No Action	??	??	Consider potential range of effects to inflows due to change in cropping patterns due to market forces and pressures to conserve. Assumptions to be based on discussions with farm community representatives and working group.
Urban Water Conservation	No change from No Action	Increased	100% reuse of wastewater	Project potential urban conservation efforts and effect on inflows based on discussions with IID, local jurisdictions and working group.
CVWD GW Uncertainty	Higher than projected flows	Same as No Action flows (w/Plan)	Flows at pre-plan levels	?